IN THE SPECIFICATION

Please replace the paragraph beginning at line 25 on page 5 with the following paragraph:

Coupled to the LAN 54 is an interference monitor 52 and several access points 16, 34, 36 and 50. The interference monitor 54 52 is operative to detect and characterize interference associated with wireless communications between devices in the system 10. Only one access point 50 is shown hardwired directly to the network backbone 54. The other access points 16, 34 and 36 are connected to the network backbone 54 through a switch 24 (*e.g.*, an Ethernet switch). The access points may be hardwired to the network or can be wirelessly coupled to the backbone 54 (not shown).

Please replace the paragraph beginning at line 12 on page 6 with the following paragraph:

The wireless communication system 10 also includes one or more mobile station systems. The mobile station systems each include an antenna for wirelessly communicating with other devices. In the example of FIG. 1, a mobile station system 12 and a mobile station system 14 are wireless wirelessly communicating with the access point 16. Additionally, a mobile station system 26, a mobile station system 28 and a mobile station system 42 are wireless communicating with the access point 36. A mobile station system 44 and a mobile station system 46 are wireless communicating with the access point 34, and a mobile station system 48 is wirelessly communication with the access point 50.

Please replace the paragraph beginning at line 19 on page 9 with the following paragraph:

The wireless communication system 60 includes a local area network (LAN) 94. The LAN or network backbone 94 can be a hardwired data communication path made of twisted pair cable, shielded coaxial cable or fiber optic cable, for example, or may be wireless or partially wireless in nature. Coupled to the LAN 94 are an interference monitor 98 and a host computer 96. Also coupled to the LAN 94 are an access points point 66 and an access point 86 through a switch 74 (*e.g.*, Ethernet switch). The interference monitor 98 is operative to detect and characterize interference associated with wireless communications between devices in the system 60.

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